

# Science Toolkit: Grade 8 Objective 1.C.1.e

Student Handout: Science: Grade 8 Objective 1.C.1.e

Standard 1.0 Skills and Processes

Topic C. Communicating Scientific Information

Indicator 1. Develop explanations that explicitly link data from investigations conducted, selected readings and, when appropriate, contributions from historical discoveries.

Objective e. Explain how different models can be used to represent the same thing. What kind of a model to use and how complex it should be depend on its purpose. Choosing a useful model is one of the instances in which intuition and creativity come into play in science, mathematics, and engineering

Selected Response (SR) Item

Question

Kidneys are bean-shaped organs that filter waste from the bloodstream.

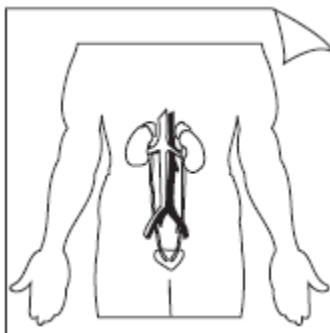
Which model best demonstrates how a kidney functions?

A.

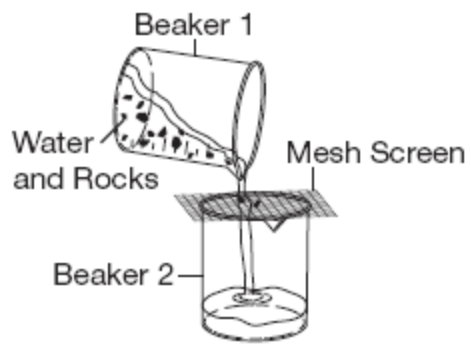


Kidney

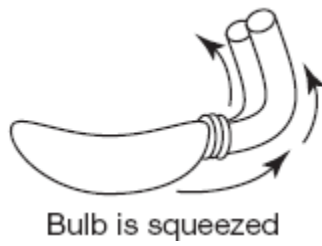
B.



C.

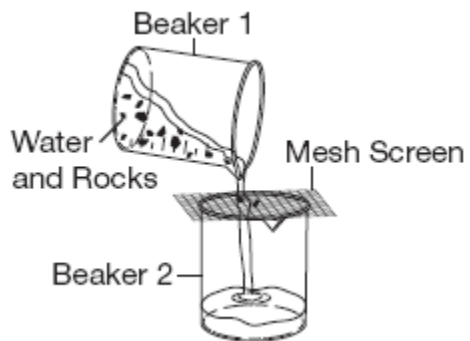


D.



Correct Answer

C.



## Question

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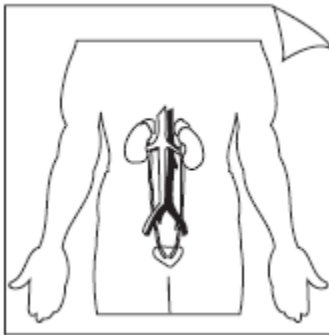
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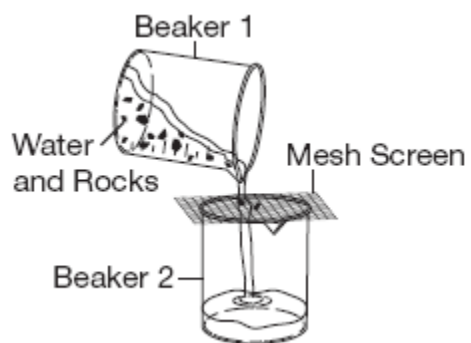


Kidney

B.



C.



D.

